

1 What is claimed is:

2 1. A mirror device comprising;

3 a. a first, primary mirror having a first, primary mirror magnification factor,
4 b. an illumination source effective in illuminating an object field in front of a front,
5 reflecting side of said primary mirror.

6 c. a second, secondary mirror having a second, secondary mirror magnification
7 factor different from said primary mirror magnification factor,

8 d. means for releasably securing said secondary mirror in front of said primary mirror
9 at an adjustable position, and

10 e. light conveying means enabling said illumination source to illuminate an object
11 field in front of a front, reflecting side of said secondary mirror.

12 2. The mirror device of Claim 1 wherein said illumination source is further defined as being
13 peripherally arranged with respect to said primary mirror.

14 3. The mirror device of Claim 2 wherein said light conveying means enabling said
15 illumination source to illuminate said object field in front of said secondary mirror is further
16 defined as being a light transmissive region peripherally located with respect to said secondary
17 mirror.

18 4. The mirror device of Claim 2 wherein said illumination source is further defined as being
19 generally concentric with and at least partially circumscribing a peripheral edge of said primary
20 mirror.

21 5. The mirror device of Claim 4 wherein said light conveying means enabling said
22 illumination source to illuminate said object field in front of said secondary mirror is further
23 defined as being a light transmissive region peripherally located with respect to said secondary
24 mirror.

25 6. The mirror device of Claim 5 wherein said secondary mirror is further defined as having
26 a perimeter smaller than that of said primary mirror.

27 7. The mirror device of Claim 6 wherein said light transmissive region is further defined as
28 being at least partially axially overlying said peripheral illumination source.

1 8. The mirror device of Claim 7 wherein said primary mirror is further defined as being
2 mounted in a primary mirror frame.

3 9. The mirror device of Claim 8 wherein said secondary mirror is further defined as being
4 mounted in a secondary mirror frame.

5 10. The mirror device of Claim 9 wherein said light transmission region is further defined as
6 comprising a light transmissive peripheral portion of said secondary mirror frame.

7 11. The mirror device of Claim 10 wherein said means for releasably securing said
8 secondary mirror at an adjustable position in front of said primary mirror is further defined as
9 coupling means enabling pivotable relative motion between said primary and secondary mirror
10 frames.

11 12. The mirror device of Claim 11 wherein said coupling means is further defined as enabling
12 swivelable relative motion between said primary and secondary mirror frames.

13 13. The mirror device of Claim 10 wherein said means for releasably securing said
14 secondary mirror at an adjustable position in front of said primary mirror is further defined as
15 coupling means enabling translational relative motion between said primary and secondary
16 mirror frames.

17 14. The mirror device of Claim 13 wherein said coupling means is further defined as enabling
18 rotational relative motion between said primary and secondary mirror frames.

19 15. The mirror device of Claim 10 wherein said means for releasably securing said
20 secondary mirror at an adjustable position in front of said primary mirror is further defined as
21 a hinge coupler which is connected between said primary mirror frame and said secondary
22 mirror frame, said hinge coupler having a first joint provided with a pivot axle disposed
23 transversely to a pivot plane in which centers of said primary mirror and said secondary mirror
24 lie, whereby said secondary mirror frame is pivotable from an orientation generally parallel to
25 and overlying said primary mirror, to orientations disposed generally radially outwardly from said
26 primary mirror.

27 16. The mirror device of Claim 15 wherein said hinge coupler is further defined as having a
28 second, swivel joint having an axis which lies in said pivot plane, said swivel joint axis being

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1 disposed radially with respect to said secondary mirror frame and thereby enabling said
2 reflective side of secondary mirror to be directed towards of opposite that of said primary mirror.

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